

oak and was eating the hickory. It continued to feed on the hickory until the morning of the 25th, when I transferred the larvæ to glass jars. The *pithecium* was given the white oak, on which it fed until full-grown, spinning a normal cocoon.

WINTER COLLECTING NOTES ON FLORIDA RHOPALOCERA.

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Under this heading is given a short account of the experiences of three amateurs during their visit to Florida during the winter, from about the middle of January, 1920, to the latter part of March, of the same year.

My father, mother, and sister, none of whom had had any previous experience in collecting insects spent the time mentioned at Tampa, Florida, excepting about two weeks spent at Dade City, a small place some forty miles northeast of Tampa. Tampa is, of course, the well-known city on the west coast of Florida about 250 miles on the railroad, southwest of Jacksonville, Florida. Before starting their trip I gave them instructions in collecting and pinning the insects, and supplied them with nets, cyanide jars, pins, cork-lined boxes, etc., and with some anxiety awaited the outcome, for insects collected by those who have had no experience whatever are not apt to arrive in the "pink" of condition. They collected for me approximately 400 butterflies, and I was very agreeably surprised at the generally fine condition of the insects received.

The collecting during the latter part of January was generally pretty fair, and during the first part of February, excepting for some cool spells lasting from one to two or three days, the collecting was even better, but towards the end of this month and the first part of March a very cold period, lasting about two weeks or a little more, put an effectual end to the collecting. After the cold period had ended and the days became quite warm again the best collecting of all was had. The weather was generally fine, with very little rain,

and while often the nights and mornings were quite cool, the days were warm. Many flowers were in bloom during the whole period of their stay and most of the butterflies collected were taken on the flowers, Hesperiidæ especially frequenting the flowers of a species of mint which grew along the banks of the Hillsborough River on the outskirts of Tampa. Another favorite place in this locality was along a road cut through the jungle of saw palmetto, a road not much used and an ideal place for collecting, although it was more difficult, for once the butterfly darted into the jungle it was lost. Many thistles were in bloom and these were also very attractive to the butterflies.

The specimens were sent to me by parcel post as fast as the boxes were filled and some times reached me only three days after their capture. It was quite novel, indeed, to me, to have butterflies captured on the flowers out of doors, that—in case of the large *Papilio*s—hardly needed relaxing, while here everything was snow and ice-bound, and outdoor collecting a long way off.

The collectors returned much improved in health from their outdoor activities and very enthusiastic over their experiences in collecting.

The species collected are listed below and furnish rather interesting early records for a locality as far north as Tampa, where the temperature at times was low enough to produce quite heavy frosts, and even ice on two occasions, during the time these records were made. The earliest record only in each month is given, and in some cases many of each species were collected on other days of the same month. A total of thirty-seven species were collected.

<i>Papilio philenor</i> Linn.	Tampa	February	6
<i>Papilio cresphontes</i> Cramer	Tampa	}	February 20
			March 15
<i>Papilio glaucus</i> Linn.	Tampa	March	15
<i>Papilio troilus texanus</i> Ehr.	Tampa	March	14
<i>Papilio palamedes</i> Drury.	Tampa	March	14
<i>Papilio marcellus</i> form <i>floridensis</i> Holland	Tampa	}	February 21
			March 11
<i>Pieris monuste</i> Linn.	Tampa	February	21
<i>Catopsilia eubule</i> Linn.	Dade City	January	16
	Tampa	}	February 6
			March 15
<i>Zerene cæsonia</i> Stoll.	Tampa	}	February 6
			March 15

	Dade City	January	16
<i>Eurema nicippe</i> Cramer	Tampa	February	21
<i>Eurema euterpe</i> Men.	Dade City	January	21
	Tampa	{ February	10
		March	11
<i>Cissia sosybius</i> Fabr.	Dade City	January	16
	Tampa	{ February	22
		March	8
<i>Dione vanillæ</i> Linn.	Tampa	February	5
<i>Phyciodes phaon</i> Edwards	Tampa	{ February	23
		March	15
<i>Phyciodes tharos</i> Drury	Dade City	January	19
	Tampa	{ February	9
		March	15
<i>Vanessa atalanta</i> Linn.	Dade City	January	19
<i>Vanessa virginiensis</i> Drury	Tampa	March	15
<i>Junonia cœnia</i> Hubn.	Tampa	{ February	21
		March	15
<i>Basilarchia archippus floridensis</i> Strecker	Tampa	March	19
<i>Calephelis virginiensis</i> Gray	Tampa	March	15
<i>Strymon melinus</i> Hubn.	Tampa	March	19
<i>Goniurus proteus</i> Linn.	Dade City	January	19
	Tampa	February	20
<i>Epargyreus tityrus</i> Fabr.	Tampa	March	19
<i>Thorybes daunus</i> Cramer	Tampa	March	8
<i>Cocceius pylades</i> Scudder	Tampa	March	10
<i>Thanaos horatius</i> Scud. & Burg.	Tampa	{ February	10
		March	11
<i>Thanaos terentius</i> Scud. & Burg.	Tampa	March	8
<i>Thanaos brizo somnus</i> Lintner	Tampa	March	8
<i>Ancyloxypha numitor</i> Fabr.	Tampa	March	15
<i>Hylephila phylæus</i> Drury	Tampa	{ February	6
		March	10
<i>Polites cernes</i> Bdv. & Lec.	Tampa	{ February	20
		March	10
<i>Polites baracoa</i> Lucas	Dade City	January	19
	Tampa	March	14
<i>Polites brettus</i> Bdv.	Tampa	{ February	8
		March	10
<i>Atalopedes campestris</i> Bdv.	Tampa	{ February	9
		March	10
<i>Lerema accius</i> Abbott & Smith	Tampa	March	10
<i>Lerodea eufala</i> Edwards	Tampa	{ February	8
		March	18
<i>Lerodea maculata</i> Edwards	Tampa	February	25